

JAMES N. EAGLE

Chairman, Operations Research Department
Naval Postgraduate School (Code OR)
Monterey, CA 93943-5000
Tel: (831) 656-2654
Fax: (831) 656-2595
Email: jeagle@nps.navy.mil



EDUCATION

Stanford University
Engineering-Economic Systems, Ph.D., 1975
Operations Research, M.S., 1972

U.S. Naval Academy
Physics, B.S., 1969

PROFESSIONAL EXPERIENCE

Chairman, Operations Research Department	October 2000 – present
Professor of Operations Research	April 1992 – present
Chairman, Undersea Warfare Academic Group	Jan 1991 – Dec 2000
Captain, USNR (Ret.)	Jan 1992
Associate Dean of Faculty and Graduate Studies	Jan 1990 – Jan 1991
Associate Professor of Operations Research	1982 – April 1992
Senior Analyst, Applied Mathematics, Inc.	1980 – 1982
Navigator and Operations Officer, USS SHARK (SSN 591)	1978 – 1980
Engineering Division Officer, USS BERGALL (SSN 667)	1976 – 1978
Navy Nuclear Power Training	1975 – 1976
Operations Division Officer, USS HAMMERHEAD (SSN 663)	1969 – 1971

PROFESSIONAL SOCIETIES/EDITORIAL POSITIONS

Member: Institute for Operations Research and the Management Sciences
Assoc. Editor: Naval Research Logistics

PUBLICATIONS

"Using Multiple Searchers in Constrained-Path, Moving-Target Search Problems,"
with Robert Dell, Gustavo Martins, and Almir Santos, Naval Research Logistics,
Vol. 43, June 1996, pp. 463-480.

"Criteria and Approximate Methods for Path-Constrained Moving Target Search
Problems," with Lyn C. Thomas, Naval Research Logistics, Vol. 42, No. 1, 1995,
pp. 27-38.

"An Empirical Analysis of a Submarine Motion Model," with R. N. Forrest, NPS

Technical Report NPSAW-91-002, August 1991.

"Cumulative Search-Evasion Games," with Alan R. Washburn, Naval Research Logistics, Vol. 38, August 1991, pp. 495-510.

"An Optimal Branch-and-Bound Procedure for the Constrained Path, Moving Target Search Problem," with James R. Yee, Operations Research Vol. 28, No. 1, Jan-Feb 1990, pp. 110-114.

"Classifying Targets on the Unit Disk," NPS Technical Report NPS55-90-04, December 1989.

"A Lanchester Model of Submarine Attack on a Carrier Battlegroup," NPS Project Report NPS55-87-011, September 1987.

"Towards the Efficient Solution of an ASW Search Problem," Naval Research Reviews 1/1987, Vol. XXXIX.

"Estimating the Probability of a Diffusing Target Encountering a Stationary Sensor," Naval Research Logistics Vol. 34, pp. 43-51, 1987.

"A Partial Evaluation of the Integrated Tactical Decision Aid (ITDA) System," NPS Technical Report NPS55-86-026, December 1986.

"SUBSUB - A Submarine Engagement Model," NPS Project Report NPS55-86-005, March 1986.

"An Approximate Solution Technique for the Constrained Search Path Moving Target Search Problem," with James R. Yee, NPS Technical Report NPS55-85-015, October 1985.

"The Optimal Search for a Moving Target When the Search Path is Constrained," Operations Research Vol. 32, No. 5, pp. 1107-1115, Sept.-Oct. 1984.

"The Approximate Solution of a Simple Constrained Search Path Moving Target Problem Using Moving Horizon Policies," NPS Technical Report NPS55-84-009, May 1984.

"The French Fleet Ballistic Missile Force (U)," with John Pedersen, J.P. Villedrouin, Naval Scientific and Technical Intelligence Review, May 1984, pp. 8-13, SECRET.

"An Overview of Non-Superpower Submarine Forces (U)," Navy Scientific and Technical Intelligence Review, with John Pedersen, William Marshak, J. P. Villedrouin, February 1984, pp. 19-28, SECRET.

"A Brief Study of Problems Relevant to Acoustics in Shallow Water ASW Scenarios," with Glen H. Jung and O. B. Wilson, NPS Technical Report NPS-61-84-003, January 1984.

"The Modelling of Spiral-Search Torpedoes and Depth Bombs in the Naval Wargaming System," NPS Technical Report NPS55-83-021, August 1983.

"Simulation Results: Constrained Speed of Advance (SOA) Search," Applied Mathematics, Inc. Technical Report, Feb. 1982, SECRET.

"Simulation Results: Barrier Search," Applied Mathematics, Inc. Technical Report, Feb. 1982, SECRET.

"A Datum Search Measure of Effectiveness," Applied Mathematics, Inc. Technical Report, Feb. 1982.

"Submarine Search Manual: Depth Search Guidance," Applied Mathematics, Inc. Technical Report, Feb. 1982, CONFIDENTIAL.